



DOCKET NO.: H0498.70164US00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Lieber, et al.  
Serial No.: 10/020,004  
Confirmation No.: 7232  
Filed: December 11, 2001  
For: NANOSENSORS  
  
Examiner: Mandala, Victor A.  
Art Unit: 2826

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CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to MAIL STOP AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 14th day of June, 2005.

*Melanie Glunt*  
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Signature

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MAIL STOP AMENDMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

STATEMENT FILED PURSUANT TO THE DUTY OF  
DISCLOSURE UNDER 37 C.F.R. §§1.56, 1.97 AND 1.98

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicants request consideration of this Information Disclosure Statement.

PART I: Compliance with 37 C.F.R. §1.97

This Information Disclosure Statement has been filed more than three months after the filing date of this application and after the mailing date of the first Office Action, but before the mailing date of either a final action under 37 C.F.R. §1.113 or a Notice of Allowance under 37 C.F.R. §1.311, or an action that otherwise closes prosecution in this application. The fee of \$180.00 as set forth in 37 C.F.R. §1.17(p) is enclosed.

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**PART II: Information Cited**

The Applicants hereby make of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

The Applicants would like to bring to the Examiner's attention the following co-pending applications that may contain subject matter related to this application:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Inventor(s)</u>
10/812,653	March 29, 2005	Lieber, et al.
10/973,665	October 26, 2004	Lieber, et al.
10/995,075	November 22, 2004	Whang, et al.
11/058,443	February 14, 2005	Lieber, et al.

**PART III: Remarks**

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicants make no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicants make no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

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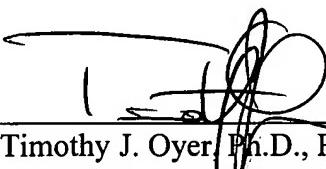
Conf. No.: 7232

By submitting this Information Disclosure Statement, the Applicants make no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicants, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

Respectfully submitted,

By: 

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FORM PTO-1449/A and B (Modified) JUN 17 2005				APPLICATION NO.: 10/020,004	ATTY. DOCKET NO.: H0498.70164US00
				FILING DATE: December 11, 2001	CONFIRMATION NO.: 7232
				APPLICANT: Lieber, et al.	
				GROUP ART UNIT: 2826	EXAMINER: Mandala, Victor A.
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## U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM/DD/YYYY
		Number	Kind Code		
		5,776,748		Singhvi, et al.	07/07/1998
		5,900,160		Whitesides, et al.	05/04/1999
		6,060,121		Hidber, et al.	05/05/2000
		6,180,239		Whitesides, et al.	01/30/2001
		6,314,019		Kuekes, et al.	11/06/01
		6,355,198		Kim, et al.	02/12/2002
		6,459,095		Heath, et al.	10/01/02
		6,781,166		Lieber, et al.	08/24/2004
		6,882,051		Majumdar	04/19/05
		2003/0124509		Kenis, et al.	07/03/2003
		2003/0186544	A1	Yoshitaka, et al.	10/02/2003
		2004/0113138		DeHon, et al.	06/17/2004
		2004/0113139		DeHon, et al.	06/17/2004
		2005/0110064	A1	Duan, et al.	05/26/2005

## OTHER ART – NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No.	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
		Office Action mailed 09/15/2004 in U.S. Patent Application No. 09/935,776, filed 08/22/2001	
		Office Action mailed 01/03/2005 in U.S. Patent Application No. 10/196,337 filed 07/16/2002.	
		DUAN, X., et al., "High-performance thin-film transistors using semiconductor nanowires and nanoribbons ", 2003, Nature, Vol. 425, pages 274-278.	
		GUO, L., et al., "A Silicon Single-Electron Transistor Memor Operating at Room Temperature," SCIENCE, Vol. 275, pg. 649-651, 31 January 1997	
		GUO, L., et al., "Nanoscale Silicon Field Effect Transistors Fabricated Using Imprint Lithography," Appl. Phys. Lett. 71 (13) 29 September 1997	
		LAUHON, L.J., et al., "Semiconductor Nanowire Heterostructures," Phil. Trans. R. Soc. Lond. A (2004) 362, 1247-1260.	
		MCALPINE, M., "Nanoimprint lithography for Hybrid Plastic Electronics", Nano-Letters, 2003, Vol. 3, No. 4, pages 443-445.	
		MCALPINE, M. "High-Performance Nanowire Electronics and Photonics on Glass and Plastic Substrates", Nano Letters, 2003, pages 1531-1535.	
		TAKAYAMA, S., et al., "Patterning cells and their environments using multiple laminar fluid flows in capillary networks", Proc. Natl. Acad. Sci., 1999, Vo. 96, pp. 5545-5548.	
EXAMINER:		DATE CONSIDERED:	

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

\*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. 10/020,004, filed 12/11/2001 , and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).